

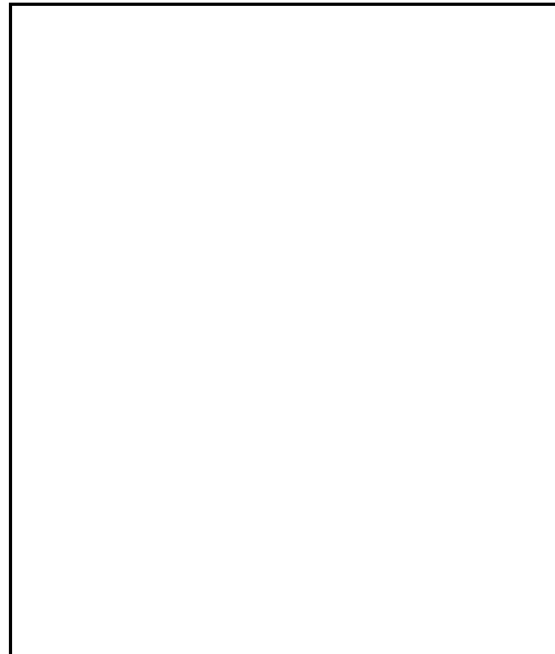


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NEWSLETTER NO. 2

RESEARCH ON PHOTOINTERPRETER PERFORMANCE

10 July 1964



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Declass Review by NGA.

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TECHNICAL CONFERENCE

The conference mentioned in the previous newsletter was held in June and attended by DNB, AH, WH, DD, FF, RW and FS. Presentations and discussions dealt with optics and modulation transfer functions, photographic techniques and terminology, related experimental research, psychological factors, statistical analysis and photointerpretation. Lab work included making a gem, microdensitometry and determination of transfer functions from edge gradients.

Comments received from the participants indicate that the objective of the conference (to enhance the insight into, and understanding of, each other's field of specialization) was achieved.

COLLECTION OF PHOTOGRAPHY

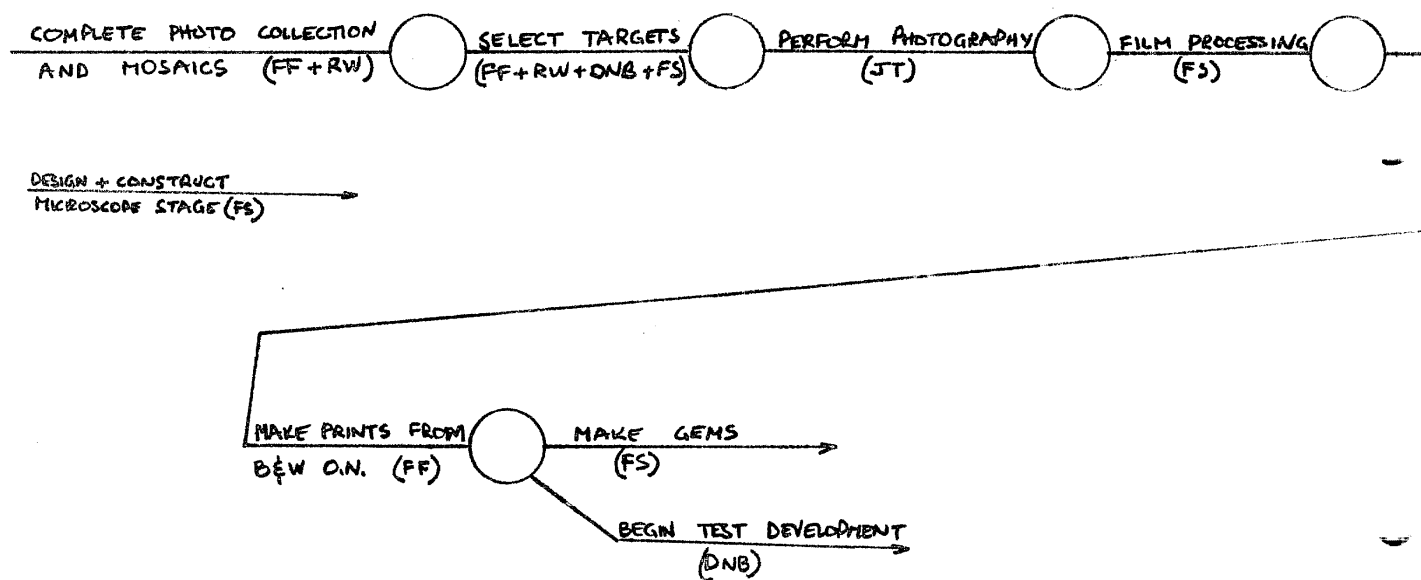
The collection of (wide-coverage) photography of specific terrain of interest is proceeding and nearly completed. JT has been assisting FF and RW in the collection of the material. Also, RW has visited an AF installation to obtain photography of AF sites, especially missile sites. Prints from much of this photography are being formed into large mosaics. These mosaics and other material will enable precise flight path planning which is required for the acquisition of photography to be used in making gems. Thorough flight path planning is required because (1) the camera/altitude combination will yield coverage only about one mile wide along the flight path and (2) it is necessary that the proper P.I. keys be included in the photography of each target area of interest. The time consumed in this planning activity is considered necessary to ascertain maximum validity of the experimental design and its execution.

The flight path planning is expected to be completed within three weeks. JT will then obtain the photography required for the gems. The photography will take about 4-6 weeks and to separate the photo-acquisition activity from the project ^{the} acquisition effort has been named project DIM VIEW. FS is making arrangements for the processing of the film.

MICROSCOPE STAGE

To facilitate the test administration and enhance precision of location of images to be viewed by photointerpreters, a microscope stage is being designed. The stage will automatically bring into the field of view specific areas of gems to be examined, in proper sequence.

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